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(54) **METHODS AND DEVICES FOR OPERATING MOBILE TERMINAL ALARM CLOCK UNDER SHUTDOWN STATE**

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None

See application file for complete search history.

(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/013,432, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — My-Trang Ton(57) **ABSTRACT**

A mobile terminal may comprise an executing unit being configured to activate an alarm clock when the mobile terminal is off. The mobile terminal may be configured to receive a target alarm clock activation time; determine a time difference between a current time and the target alarm clock activation time; and compare the time difference with a first reference time period. Upon determining that time difference is less than the first reference time period, the mobile terminal may start up. Upon determining that the time that the mobile terminal completes the startup is less than a second reference time period, the mobile terminal may activate the alarm clock.

